

Rpt. 9

Date of writing report 9th Feb. 1962 Received London Port TAIPEI No. 61-9-26  
Survey held at Keelung & Kaohsiung No. of visits 3 First date 24th Aug. 1961 Last date 6th Sept. 1961

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 41571 Name M.V. "UNION RELIANCE" Gross tons 7638 Date of build 1940  
Owners China Union Lines, Ltd. Managers Port of Registry Keelung  
Engines made St. Louis By Busch-Sulzer Bros. Type 4 Oil Engines 2SA each 7 Cy.  
No. of Main Engines 4 No. of Screws 2 520 x 700 mm with electro-magnetic slip  
No. of Main Boilers - W.P. - couplings & SR gearing  
No. of Aux./Donkey Boilers 1 W.P. 100 lb/sq. in.  
Surveyed Afloat or in Dry Dock Afloat  
Nature of Survey Wear & Tear & CS  
Was Damage Report issued? No Int. Cert.? Yes  
Last Report (For Head Office only)

| Hull                  | Machinery |
|-----------------------|-----------|
| 100 Al with freeboard | LMC       |
| SS 2/57               | CS 3/57   |
| Dkg 4/61              | ABS 5/61  |
|                       | TSCL 4/60 |

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

If so, is the Report sent now, or when will it be sent?

- DOCKING Propellers..... Wear Down of Stern Bushes..... Oil Glands..... Sea Connections.....
- Fastenings..... Has Screwshaft Tubeshaft been drawn?..... Date of Examination..... Has Shaft been changed?.....
- Has Shaft now fitted been previously used?..... Has Shaft now examined/fitted a continuous liner?..... Approved oil gland?.....
- MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD FORWARD
- 1 Cyls., Covers, Pistons & Rods..... Nos. 1, 2, 3, 4, 5, 6 & 7 Good Please see Rpt. No. 7 cyl. block
- 2 Valves & Gears..... Nos. 1, 2, 3, 4, 5, 6 & 7 Good
- 3 Connecting Rods, Top Ends & Guides { Side.....  
Centre.....
- 4 Crankpins & Bearings { Side.....  
Centre.....
- 5 Journals & Bearings.....
- MAIN ENGINE DRIVEN AIR COMPRESSORS
- 6 Cyls., Covers, Pistons & Rods.....
- 7 Connecting Rods & Top Ends.....
- 8 Crankpins & Bearings.....
- 9 Journals & Bearings.....
- 10 Coolers & Safety Devices.....
- MAIN ENGINE DRIVEN SCAVENGE PUMPS
- 11 Cyls., Covers, Pistons & Rods.....
- 12 Connecting Rods & Top Ends.....
- 13 Crankpins & Bearings.....
- 14 Journals & Bearings.....
- 15 Levers.....
- 16 SCAVENGE BLOWERS.....
- 17 SUPERCHARGERS.....
- MAIN TURBINES
- 18 Casings, Rotors, Blading, Bearings & Thrusts.....
- 19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES).....
- 20 STEAM COMPRESSORS.....
- 21 CLUTCHES & HYDRAULIC COUPLINGS.....
- 22 REDUCTION GEARING.....
- 23 THRUST BLOCKS, SHAFTS & BEARINGS.....
- 24 INTERMEDIATE SHAFTS & BEARINGS.....
- 25 HOLDING DOWN BOLTS & CHOCKS.....
- 26 CONDENSERS (MAIN & AUX.).....
- 27 STEAM RE-HEATERS.....
- 28 DE-SUPERHEATERS.....
- 29 STOP & MANOEUVRING VALVES.....
- 30 MAIN ENGINE DRIVEN PUMPS.....
- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES..... Have Main Engines been tested working and manoeuvring?.....

OPINION OF MACHINERY AND RECOMMENDATIONS. The machinery of this vessel, so far as now surveyed is eligible, in my opinion, to remain as classed with fresh record of CS (with date) on completion subject to the starboard side forward Main Engine No. 7 cylinder block metalock being further examined and dealt with as necessary by the end of December 1961 (3 month limit) subject as previously recommended.

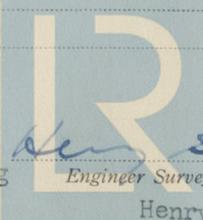
THURSDAY 25 MAR 1962

Date of Committee

Decision

for Header

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Lloyd's Register of Shipping  
Acting Engineer Surveyor to Lloyd's Register of Shipping  
Henry S. M. Tan

003479 - 003486 - 0016

If certificate is required state where to be sent...

32 Essential Independent Pumps (Identify by position) \_\_\_\_\_  
 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls \_\_\_\_\_  
 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? \_\_\_\_\_  
 35 Fresh Water Coolers \_\_\_\_\_ 36 Lub. Oil Coolers \_\_\_\_\_ 37 Heaters (state service) \_\_\_\_\_  
 38 Independent Air Compressors, Coolers & Safety Devices \_\_\_\_\_  
 39 Air Receiver & Safety devices—Main \_\_\_\_\_ 40 Auxiliary \_\_\_\_\_  
 41 Oil Fuel Tanks (Not forming part of hull structure) \_\_\_\_\_  
 42 Evaporators \_\_\_\_\_ 43 Have Evaporator Safety Valves been tested under steam? \_\_\_\_\_  
 44 Steering Machinery \_\_\_\_\_ 45 Windlass \_\_\_\_\_ 46 Fire Extinguishing Arrangements \_\_\_\_\_

AUXILIARY ENGINES (Identify by position) \_\_\_\_\_

| PROPULSION                   |       | ELECTRICAL EQUIPMENT |       | AUXILIARY EQUIPMENT                   |       |
|------------------------------|-------|----------------------|-------|---------------------------------------|-------|
| PORT                         |       | STARBOARD            |       |                                       |       |
| a Generators                 | _____ | _____                | _____ | l Generators & Governors              | _____ |
| b Exciters                   | _____ | _____                | _____ | m Motors                              | _____ |
| c Air Coolers                | _____ | _____                | _____ | n Switchboards & Fittings             | _____ |
| d Motors                     | _____ | _____                | _____ | o Circuit Breakers                    | _____ |
| e Air Coolers                | _____ | _____                | _____ | p Cables                              | _____ |
| f Control Gear, Cables, etc. | _____ | _____                | _____ | q Insulation Resistance               | _____ |
| g Insulation Resistance      | _____ | _____                | _____ | r Steering Gear Generators and Motors | _____ |
| h Insulating Oil Test        | _____ | _____                | _____ | s Navigation Light Indicators         | _____ |
| i Overspeed Governors        | _____ | _____                | _____ |                                       |       |
| j Magnetic Couplings         | _____ | _____                | _____ |                                       |       |
| k Air Gap                    | _____ | _____                | _____ |                                       |       |

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN \_\_\_\_\_ AUXILIARY, DONKEY or PRESS \_\_\_\_\_  
 Superheaters \_\_\_\_\_  
 Safety Valves \_\_\_\_\_  
 Mountings, Doors & Fastenings \_\_\_\_\_  
 Safety Valves Adjusted to { Sat. \_\_\_\_\_  
 { Spt. \_\_\_\_\_  
 Boiler Securing Arrangements \_\_\_\_\_  
 Main Economisers \_\_\_\_\_ Exhaust Gas Heated Economisers \_\_\_\_\_  
 Steam Heated Steam Generators \_\_\_\_\_ Steam Generator Safety Valves Adjusted to \_\_\_\_\_  
 Were Oil Burning System & Remote Controls examined working in accordance with Rules? \_\_\_\_\_ Forced Circulating Pumps \_\_\_\_\_  
 Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? \_\_\_\_\_ Funnel \_\_\_\_\_

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main \_\_\_\_\_ Auxiliary (over 3 in. bore) \_\_\_\_\_  
 Were Copper Pipes annealed? \_\_\_\_\_ Have Saturated Pipes in cylindrical boiler smoke boxes been tested? \_\_\_\_\_

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

Wear & Tear :

Main Engine : Starboard side forward main engine No.7 cylinder block leakage, in way of old metallock repairs.

Now Done : Plastic cement coated in way metallock area and joint made tight. No metallock repair work is available at this port. Permanent repairs deferred and to be dealt with by the end of December 1961 (3 mos limit), considered efficient meantime.

LEAVE THIS SPACE BLANK

Survey fees ... \$ 90.00  
 (75% to be credited to the Sur  
 cor

Damage fee ...

Expenses ...

Date when A/c rendered

2020



Lloyd's Register  
 Foundation

Handwritten notes and signatures in the bottom left corner, including 'W. H. ...', '26/11/61', and other illegible scribbles.

Small stamp at the bottom center: KEN, CHIC, Liverpool, LUKS, ...